

**NATURAL RESOURCES CONSERVATION SERVICE
CONSTRUCTION SPECIFICATIONS**

POND (EXCAVATION)

1. Scope

The work shall consist of all construction operations and furnishing all materials as required by the construction plans and specifications for the complete installation of an excavated pond.

2. Location

The location of the excavated pond and spoil area shall be as shown on the construction plans or as staked in the field.

3. Site Preparation

Clearing. The area of the excavation and the area for disposal of excavated material shall be cleared of trees, stumps, logs, brush, boulders, rubbish, and other debris which will hinder or prevent smoothing of the spoil material. Waste material shall be disposed of by piling, burying, or burning at locations outside the pond area as directed by the inspector or as shown on the construction plans or as staked in the field. Burning shall comply with all state and local policies pertaining to open burning.

Stripping. Where the spoil material is used to form a dam against which water will be impounded, the foundation under the dam shall be stripped of topsoil, rubbish, organic matter, and other perishable material so that a good bond will be obtained between the fill and the foundation. Such stripping shall extend the base width of the dam or 20 feet, whichever is less.

4. Excavation

All excavations shall conform to the lines, grades, and elevations shown on the construction plans or as staked in the field.

5. Spoil Disposal

The spoil material shall be placed, spread, leveled, or shaped as shown on the construction plans or in the Construction Details section or as staked in the field. The completed job shall be finished to a smoothness so the surface can be traveled with farm-type equipment unless otherwise specified in the Construction Details section.

6. Pipe Conduit

The materials and manufacture of the pipe, anti-seep collars, coupling bands, coatings, and other appurtenances shall be as shown on the construction plans and shall conform to the appropriate material specifications suitable for the intended purpose.

The pipe shall be laid to the line and grades shown on the construction plans, be placed in original earth or properly compacted earthfill, and be uniformly bedded to the depth and in the manner specified.

Selected, impervious backfill material shall be placed around the conduit and appurtenances in layers not more than 4 inches thick before compaction; and each layer shall be thoroughly compacted by hand tamping, manually directed power tampers, or plate vibrators to the density of the surrounding material. The height of fill shall be increased at approximately the same rate on all sides of the structure. Heavy equipment shall not be operated within 2 feet of any structure.

7. Vegetation

All disturbed or exposed surfaces in the construction area not covered by permanent water shall be seeded or vegetated. Seedbed preparation, seeding, fertilizing, mulching, or other vegetation shall be as specified in the Construction Details section.

8. Fencing

Fencing shall be installed to protect vegetation when specified in the Construction Details section. Fencing shall be as specified in the Construction Details section.

9. Measurement

The quantity of the excavated material will be determined from the measured ground surface to the neat lines as shown on the construction plans and staked in the field. Computations will be made to the nearest cubic yard.

10. Construction Details